STORAGE DISASTER RECOVERY USING A PREDICTED SUPERSET OF
UNHARDENED PRIMARY DATA

ABSTRACT

A method for managing a data storage system includes
5   maintaining a record on a secondary storage subsystem,
which is predictive of locations to which data are to be
written on a primary storage subsystem by a host
processor.   Upon receiving at the primary storage
subsystem, from a host processor, the data to be written
10   to a specified location, if the specified location is not
included in the record, the primary storage subsystem
sends to the secondary storage subsystem so as to cause
the secondary storage subsystem to update the record.
The primary storage subsystem signals the host processor
15   that the data have been stored in the data storage system
responsively to receiving the data and to receiving an
acknowledgment from the secondary storage subsystem
indicating that the record has been updated.